

**Delta Operations for Salmon and Sturgeon (DOSS) Group**  
**Friday conference call: 03/11/11 at 1:30 p.m.**

**Objective:** Provide advice to the Water Operations Management Team (WOMT) and National Marine Fisheries Service (NMFS) on measures to reduce adverse effects from Delta operations of the Central Valley Project and the State Water Project on salmonids and green sturgeon. DOSS will coordinate the work of other technical teams. DOSS notes and advice can be found at: <http://swr.nmfs.noaa.gov/ocap/htm>

**DWR:** Andy Chu, Mike Ford, Angela Llaban, Tracy Pettit, John Leahigh, S. Reza

**NMFS:** Barbara Rocco, Bruce Oppenheim, Garwin Yip

**Reclamation:** Thuy Washburn, Paul Fujitani, Tom Morstein-Marx

**FWS, DFG, SWRCB, EPA:** not present

The purpose of this special call is to report on older juvenile Chinook loss density over the past 3 consecutive days. If the daily loss densities have declined, and the preliminary estimate(s) (before being confirmed by DFG) are close to the first- or second-stage trigger in the NMFS BiOp, DOSS will provide advice to NMFS and WOMT on a change in OMR flows.

**Agenda**

- 1) Older juvenile Chinook loss data
- 2) OMR flows

**Fish Salvage Data:**

For additional info: <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>

**SWP & CVP OLDER JUVENILE\* CHINOOK LOSS & LOSS DENSITY**  
**02/28/2011 through 03/10/2011**

Date	OLDER JUVENILE LOSS** (# fish)			Combined Older Juv Loss Density (fish/TAF)
	SWP	CVP	Combined	
02/28/2011	132.59	3.84	136.43	7.94
03/01/2011	74.51	8.64	83.15	4.95
03/02/2011	17.69	2.88	20.57	1.09
03/03/2011	72.12	21.68	93.80	5.54
03/04/2011	54.07	5.20	59.27	3.48
03/05/2011	17.99	2.60	20.59	1.20
03/06/2011	18.02	10.40	28.42	1.66
03/07/2011	181.86	16.32	198.18	12.32
03/08/2011	34.64	8.16	42.80	***2.73
03/09/2011	25.98	10.88	36.86	***2.37
03/10/2011				***4.03

DWR-DES 3/10/2011 – Preliminary, subject to revision

\*Older juveniles defined as all Chinook above the minimum winter run length (Delta Model)

\*\*Loss data obtained from DFG, Stockton

\*\*\*Data for 3/7/11–3/10/11 is estimated based on a formula.

**Older juvenile Chinook loss and loss density 2/29–3/10/11:** Accuracy of preliminary estimates of loss density (before QA/QC), such as from 3/8 through 3/10/11, vary from actual data by approximately 0.07 fish/TAF (average provided by DWR). Daily loss rate for 3/10/11 was expanded based on observations of 3 older juvenile Chinook at SWP, and 3 older juvenile Chinook at CVP (size: 120 to 160 mm). Data on daily losses from SWP and CVP and combined losses were not provided for this meeting. DOSS reviewed just the combined loss density since last Tuesday's call.

Although the first trigger in the NMFS opinion (RPA action IV.2.3) was met on 3/10/11, data since 3/8/11 (last 3 days) showed that the second trigger of 6.64 fish/TAF was not met on any of the past 3 consecutive days; therefore, the OMR flows may be relaxed from the current OMR flow limit of -2,500 cfs to a new limit of -3,500 cfs, with the understanding that operational changes take up to 2 days.

**DOSS advice to WOMT and NMFS:** DOSS discussed and advised WOMT (some WOMT members already on this call) and NMFS agreed with relaxing the OMR flows to a limit of no more negative than -3,500 cfs based on the data on loss density compiled for the last 3 consecutive days. NMFS will notify DWR by email today that a change order can be implemented to relax the OMR flows to no more negative than -3,500 cfs.

DWR will continue to monitor the data over the next few days. If DWR finds that today's loss density exceeds the second-stage trigger, it will put out a change order for Monday to reduce OMR flows back to no more negative than -2,500 cfs. DWR will notify NMFS by email over the weekend if the older juvenile Chinook loss density increases. If any of the estimates over the weekend are close to the second-stage trigger (6.64 fish/TAF  $\pm$  0.1), DOSS agreed to have an immediate call to decide how to implement the triggers, or wait for the DFG confirmed data. If the estimates are not within 0.1 fish/TAF of the second-stage trigger, no Monday call will be necessary.

**Next Meeting:** 3/15/11, 9:00 a.m. unless a call on Monday, 3/14/11, is warranted.